PANDORA BOX DX
Family Mainboard

Manual

3A Game Electronic
Technology

Dear customer:

Thanks for your love of Pandora box mainboard and game controller.This manual is the instructions for use and installati on instructions of Pandora box family version mainboard.

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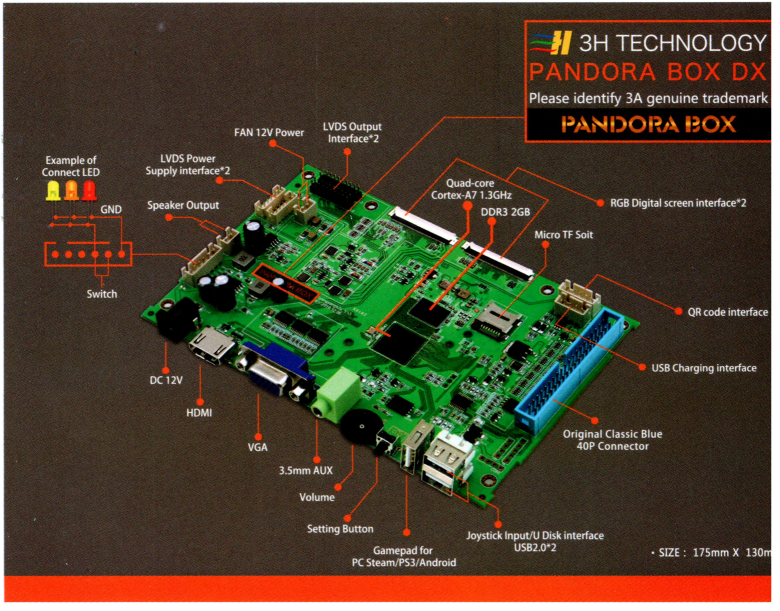
1.Mainboard Picture:



Picture1

2.40P Connector Instruction:

Expansion Card (Optional)		PANDORA BOX DX Mainboard			2P 1P		PANDORA BOX DX Mainboard			Expansion Card (Optional)	
PC360	PS4	PS3	PC	PANDORA BOX DX			PANDORA BOX DX	PC	PS3	PS4	PC360
+5V	+5V	+5V	+5V	+5V	1	2	N/C	MODE DPAD/LS	MODE DPAD/LS	N/C	N/C
TURBO	TURBO	TURBO/R3	TURBO/12	N/C	3	4	N/C	TURBO/12	TURBO/R3	TURBO	TURBO
HOME	PS	L3	11	N/C	5	6	N/C	11	L3	PS	HOME
RB	R1	R1	8	2P–H	7	8	1P–H	8	R1	R1	RB
LB	L1	L1	7	2P–G	9	10	1P–G	7	L1	L1	LB
RT	R2	R2	6	2P–F	11	12	1P–F	6	R2	R2	RT
LT	L2	L2	5	2P–E	13	14	1P–E	5	L2	L2	LT
X	□	□	4	2P–D	15	16	1P–D	4	□	□	X
A	X	X	3	2P–C	17	18	1P–C	3	X	X	A
B	O	O	2	2P–B	19	20	1P–B	2	O	O	B
Y	△	△	1	2P–A	21	22	1P–A	1	△	△	Y
RIGHT	RIGHT	RIGHT	RIGHT	2P–RIGHT	23	24	1P–RIGHT	RIGHT	RIGHT	RIGHT	RIGHT
LEFT	LEFT	LEFT	LEFT	2P–LEFT	25	26	1P–LEFT	LEFT	LEFT	LEFT	LEFT
DOWN	DOWN	DOWN	DOWN	2P–DOWN	27	28	1P–DOWN	DOWN	DOWN	DOWN	DOWN
UP	UP	UP	UP	2P–UP	29	30	1P–UP	UP	UP	UP	UP
START	OPTION	START	10	2P–START	31	32	1P–START	10	START	OPTION	START
BACK	SHARE	SELECT	9	PAUSE	33	34	COIN	9	SELECT	SHARE	BACK
GND	GND	GND	GND	GND	35	36	GND	GND	GND	GND	GND
USB D +	USB D +	USB D+ (FOR PS4)	USB D+ (FOR PS4)	USB D+ (FOR PS4)	37	38	USB +5V	USB +5V	USB +5V	USB +5V	USB +5V
USB D –	USB D –	USB D+ (FOR PS4)	USB D+ (FOR PS4)	USB D+ (FOR PS4)	39	40	N/C	N/C	N/C	N/C	N/C

Picture2

3.Mainboard Specification

CPU:Quad-core Cortex-A7 1.5GHz	Video port:1*HDM I/ 1*VGA / 2*RGB / 2*LVDS
GPU:Mali-450MP2	Audio Port:1*3.5mm AUX port 1*2P Speaker output
Resolution:1280*720 (720P) / 640*480	Control interface:1 * 40Pin Connector
System Storage:1Gb System Storage/32GB MicroSD(TF) or USB EXTRA	Power Input:DC 12V/2A
RAM:2GB DDR3/1866MHz	Work Environment :Temperature 5° C–45° C/ Humidity30%—90%
Soundcard:5.1 surround sound	Mainboard Size:175mm x 130mm x 40mm
Joystick Input:3*USB2.0	Net Weight:0.35Kg

4.Product functions:

- The mainboard includes classic retro arcade games and home games,The game has been optimized by many software and hardware developers, And with super-high-level player tested, Let you return to the original feeling of the game.
- The product has the function of open high quality screen,Better adapt to the era of high quality screen requirements.
- You no need to buy extra video converter,because mainboard support multiple output ports,Support HD digital output 720P to any HDMI port display device, And VGA output support downward compatible to old display devices.
- Support language: English / Korean / Spanish...Many language,customers can choose their own language version.
- Support HDMI audio/AUX audio outputand the integrated power amplifier output to the speaker of the mainboard(Speaker output can be turn ON/OFF in system setting).
- Support the custom function of arcade button and gamepad,Support more than 90% of gamepad types connect to USB to play games.
- Support edit your favorite 99 games at the top of the game menu.
- Support pause function in the game.

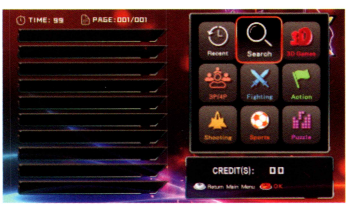
5.DX than old product update functions:

- Supports the save state/load state of the game.If you are playing,but now need to go out,Before turn off the console you can choose save state,When you come back,you can load state to continue play this game.
- Supports auto saving of the game ranking high score.When you load it again, you will see that your name is still in ranking.
  In the main menu press 1p start button,will show nine squares function select menu.
- Support recent game to selection and quickly start recent game,Support game name fast and accurate search,All 3D game selection,3players and 4Players game selection and game types selection.(picture4)(picture5)

•3D game update to 34 games,You can download the game copy to the specified path of U disk to add the game(Note: the basic storage of the mainboard is 32GB,and the remaining 2GB storage is reserved for game save state and save high score, Please try not to use it.If you need to add more games,please replace the U disk with larger capacity, Thank you for your cooperation).

•Support 3player or 4player to play games at the same time,support single gamepad and two gamepads connect USB play game,more than 100 games for 3players or 4player.

Picture4



Picture5

6.Resolution settings:

The mainboard has two kinds of video output ports: HDMI and VGA,HDMI only outputs 1280x720 resolution,VGA supports output of 1280x720 and 640x480, For example:if you are using VGA output,the output resolution is 1280x720,need to change the resolution to 640x480,So in the power off state,press and hold the setting button,then turn on the power,release it after 3 seconds,the resolution will be changedto 640x480, and the same operation can be change back to 1280x720. The setting button is as follows(picture2).

7.Setting Menu:

In the game menu or in the game, press the setting button to into the setting menu

7.1 IO Test:

This option is to test the connection status of the coin selector, joystick and button of the console(picture6).

picture6

7.2 Custom Button:

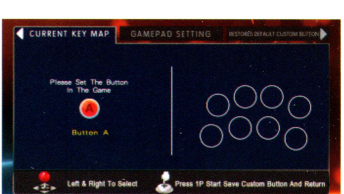
This option can customize your button habitually uses.

7.2.1 DEFAULT KEY MAP: This option is mainboard 40p connect to arcade console button custom,hold 1p or 2p start button for 3 seconds to enter each custom state (picture7) (picture8) ,Follow the prompts to custom the A-H button in the game and press 1p start save custom button and return. If you do not need to customall button,just custom individual button.After custom individual button you need,press 1p start to complete custom,Other buttons will be assigned auto! Press the 1p start again will save and back to setting menu.

7.2.2 GAME CUSTOM: The standard game gamepad can be connected to the USB of the mainboard,Support 90% of gamepad in the market,the custom is the same as above.

7.2.3 RESTORES DEFAULT CUSTOM BUTTON: This option has two options, restores the console default button and restores gamepad default! Move up and down to select,1p start button confirm.

picture7



picture8

7.3 System Config:

7.3.1 Credit Setting:

[free play] is the family mode.At this time,pause is on by default and locked to pause menu to exit the game.(picture9).[1:1,2:1...9:1],[1:2...1:9],this is set to coin mode.

7.3.2 Exit Game Mode:

This option is for coin mode,set the exit mode of back to the game menu in the game. It can be set to use [menu exit]/[1P start + coin]/[hold 1p start for 3 seconds]

[Menu Exit] In the game,Hold 1P start button for 3 seconds,will show the menu to select exit (picture 10),this mode,the central manager will record and save coins,It means that the coins inserted in the game menu or game are stored here first,If the remaining coins are not insert to the game,Can be stored to return to the game menu,and can choose to enter other games to use.It can also cooperate with Item 3 "pause menu: ON",use pause button to show exit menu quickly select exit.

[1p start+coin] In the game,hold 1p start,insert 1 coin,then exit to the game menu,1 coin is valid.You can choose to enter other games to use. It can also cooperate with Item 3 "pause menu: ON",use pause button to show exit menu quickly select exit.

[hold 1p start 3 sec.] in the game,hold 1p start for 3 seconds to directly exit to the game menu,This mode can not record and store any coins to return to the game menu.It can also cooperate with Item 3 "pause menu: ON",use pause button to show exit menu quickly select exit.

7.3.3 Pause Menu:

[ON]/[OFF],cooperate with Item 2 "Exit Game Mode",convenient and quick exit.

7.3.4 Auto Exit:

[ON]: If joystick and button are not operated for 3 minutes in the game,it will auto return game menu.
[OFF]:This function will be closed,It will not auto exit game menu.

7.3.5 Select Game Mode:

This option can be set in the game menu,Whether need to after insert coin can move the joystick to select the game.This setting cannot be set in free play status.[menu exit] or [1p start+coin] mode,you can set [Always]/[With Coin]
[With Coin]: After insert coin,can move joystick to select games
[Always]:Without insert coin can select game at any time

7.3.6 Quality Optimization:

[ON]: Output Game Screen Using Graphic Card Software to Calculate Output of High Quality.
[OFF]: Output game screen use original screen.

7.3.7 Scanning Line:

[ON]/[OFF],Let LCD come true CRT monitor display in the era of arcade,and let CRT monitor screen reproduce the classic picture.

7.3.8 Timer Mode:

[Home Game Timer Only]:Arcade games insert coin uses coin mode to play games,and home games insert coin uses timer mode to play games
[All Timer]:Arcade games and home games insert coin both uses timer mode to play games.

7.3.9 Game time:

In timer mode,how many minutes=1 Coin,1 ~ 60 minutes can be set.

7.3.10 Gamepad Setting:

This mode use 1P and 2P arcade joystick and button(40p gpio) + two gamepads to play games,and support 4players play games at the same tim

This mode use 1P arcade joystick and button + two gamepads to play games, and support 3players play games at the same time.

This mode closed 1P and 2P arcade joystick and button just use two gamepads to play games.

picture9

picture10

7.4 Game Setting:

7.4.1 Difficult &Lifes Setting:

Press A button enter into the difficult &lifes setting menu(picture11) .Move the joystick to choose the game,press A button to set the difficult;press B button to set the lifes(The game cannot be set without number display)(picture12);Press C button will set the selected game as a unified standard setting;press 1P start button back.

picture11

picture12

7.4.2 Edit Games List:

Press B button enter into the display/hide game setting menu(picture13);Move the joystick to choose the game you want to setup.Press A button to display/hide game,after hidden the game, will appear in front of the hidden game;press B button will display all games.If you just want to run a game,after select it then press C button hide all game,every time after the turn on the power will auto run this game;press 1P start button back.

7.4.3 Edit Favorite List:

If there are some games you like very much,you can favorite it,Press B to enter edit favorite list (picture14);press A button to favorite, ⭐ will appear in front of the game name,it will display on top of the game menu.You can favorite of 99 games.Press C to cancel all favorite.press 1P start button back.

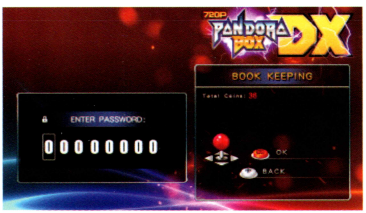
picture13

picture14

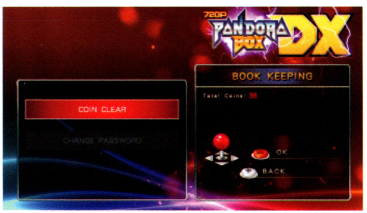
7.5 Book Keeping:

Mainboard can record all the number of insert coin,all insert coin will be recorded and displayed in [total coins:],it is under book keeping.if you need to clean the total coin records,please input password(picture15),the default password is 55555555, joystick up & down change the number,left & right is next and return. after into can clean coin records and change the password(picture16).Select change password, enter your old password to confirm,and then enter a new password.

Note: if you change the password, please keep it properly to avoid unnecessary loss. For assistance, please contact.



picture15



picture16

7.6 Built-In Speaker:

Mainboard support 2pin output to the speaker,when you choose to use HDMI or aux 3.5mm output sound,you can choose[OFF] close the speaker.

7.7 Language:

Mainboard supports three languages: English/ Spanish / Korean.

7.8 Boot Demo Movies:

When you lock a game in edit game list,you can choose [OFF],do not display boot demo video,quickly start the game by turn on power.

7.9 Save Setting:

Press A button to save the setting,it will show YES/NO,if you need to save all the settings you just changed, please select YES,without save please select NO; A button OK,then the screen will show SAVING...,when show SAVING...please do not turn off the power,the mainboard will auto restart and show the game menu.

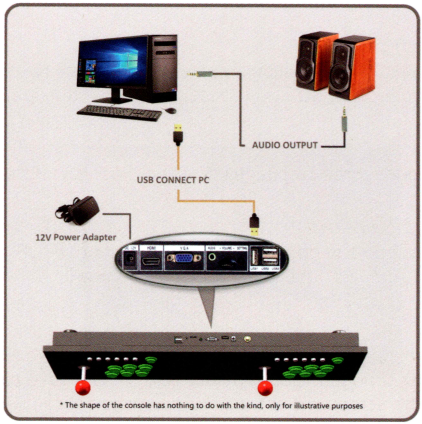
7.10 Factory Setting:

Select [YES] will restore the factory settings.Select [NO] without any settings.

8.Mainboard Extension specification:

8.1 PANDORA BOX connect to the computer:

PANDORA BOX Family Version mainboard built-in gamepad chip,Supports two gamepads connect to computer,Operating computer games.

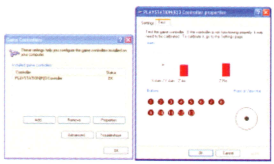


Sketch Map

9.2 PANDORA BOX connect to the computer Steps:

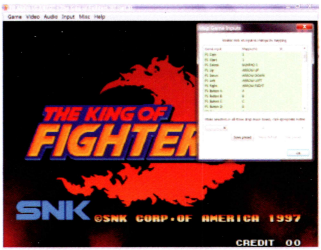
Use the TYPE-A USB cable in to connect the Pandora box mainboard and the computer USB interface,there is no need to install any driver (supports all Windows systems,plug and play).When you connect for the first time,you can see the auto installation display at the bottom right of the computer LCD:

After the hardware driver is installed,can enter [Control Panel]–[Game Controller] to check the status of the control panel and button test (For XP system and WINDOWS 7 or latest,please enter and check[Device and Printer] :



9.3 Operation Game emulator:

Open the game emulator you want to play,enter the button setting,and then play the game freely.The following figure shows the buttonmapping of FBA game simulator.



9.4 PANDORA BOX connect to the PS3:

Connect to the PS3 is the same as connect to the computer

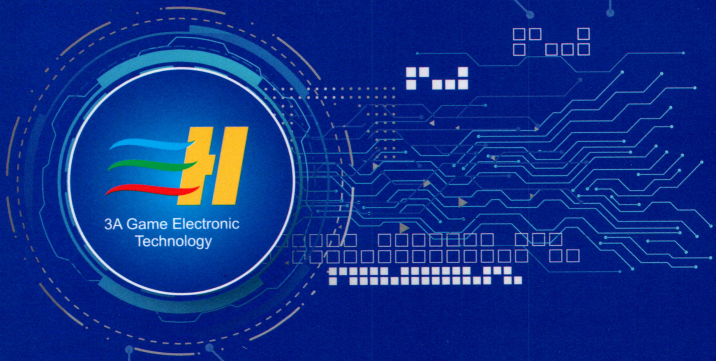
Sketch Map

10.Abnormal Condition Diagnosis of Using :

Error Description	Reason	Approach
Turn on power has no response,mainboard power led is not light.	Power adaptor may be abnormal OR Console is abnormal	Try to replace the power adapter with the same parameters or contact to the dealer.
No VIDEO signal	Please check whether the HDMI cable or VGA cable is connected normally and whether the input signal of the monitor is set correctly	Replace the display cable or or monitor.
No Sound	Speaker wires abnormal	Speaker wires abnormal
Button wrong position	Button wire connection error	Please exchange the wire

*(Accessories provided may vary according to the version as there may be some new changes or upgrades of it ,so it may vary without prior notice)

Just for Your Health concern,We advise the game hours to be limited.Please DO NOT watch the Monitor / TV for a long time in a dark environment and take rest at different time intervals.



Thank you for buying and using our product
We wish you happy!